

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20040101807").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/30 10:52

## EAST Search History

S2	543	("20010037154" "3514858" "3618212"  "3643658" "3777346" "3919723" "39 71135" "4040129" "4179810" "418538 3" "4219015" "4234309" "4293302" "4 328593" "4332036" "4388921" "44240 37" "4447209" "4484570" "4486178" " 4560353" "4591483" "4600388" "4626 214" "4657510" "4671768" "4687443"  "4710075" "4714076" "4722688" "47 31085" "4756691" "4758161" "475976 8" "4772204" "4793808" "4803976" "4 824372" "4826434" "4854872" "48566 48" "4856944" "4872839" "4875475" " 4880006" "4881897" "4906191" "4906 420" "4917703" "4936313" "4960381"  "4983184" "4995810" "5000685" "50 02542" "5006070" "5019083" "502286 0" "5026285" "5045054" "5049074" "5 052930" "5052931" "5061181" "50612 85" "5071350" "5076788" "5078605" " 5080685" "5100323" "5106300" "5116 225" "5120222" "5122059" "5145371"  "5174755" "5181928" "5190543" "51 95891" "5195892" "5196016" "519788 1" "5199873" "5209659" "5209666" "5 213500" "5213502" "5215460" "52384 05" "5246370" "5281140" "5286195" " 5292252" "5295831" "5302125" "5302 126" "5306149" "5312253" "5312403"  "5318570" "5322443" "5324297" "53 28371" "5334024" "5344457" "536223 4" "5362237" "5368443" "5368480" "5 368483" "5387102" "5403136" "54175 70" "5433607" "5437551" "5442219" " 5447434" "5449291" "5456723" "5468 150" "5502087" "5520689" "5554028"  "5562448" "5562733" "5564921" "55 67155" "5569035" "5571188" "558883 8" "5605457" "5607304" "5626227" "5 628630" "5636989" "5660545" "56673 84" "5674072" "5674244" "5678995" " 5688123" "5695335" "5725377" "5730 598" "5733122" "5733123" "5734113"  "5741253" "5749731" "5752830" "57 52831" "5755574" "5755807" "575903 3" "5759034" "5762541" "5766009" "5 779480" "5782637" "5782918" "57855 25" "5810589" "5810590" "5820374" " 5823776" "5823777" "5827062" "5829 977" "5829981" "5836768" "5842865"  "5858253" "5865622" "5871504" "58 82200" "5888218" "5899940" "590448 3" "5906488" "5915968" "5927979" "5 931674" "5938446" "5944526" "59477 33" "5947734" "5951287" "5951288" " 5952399" "5954504" "5954505" "5961 329" "5975907" "5979643" "5984680"  "5989028" "5989029" "5993211" "59 03714" "6007337" "6033718" "603640	US-PGPUB; OR USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OFF	2006/05/31 08:47
----	-----	--	--	-----	------------------

# EAST Search History

S3	543	( "20010037154" "3514858" "3618212" "3643658" "3777346" "3919723" "3971135" "4040129" "4179810" "4185383" "4219015" "4234309" "4293302" "4328593" "4332036" "4388921" "4424037" "4447209" "4484570" "4486178" "4560353" "4591483" "4600388" "4626214" "4657510" "4671768" "4687443" "4710075" "4714076" "4722688" "4731085" "4756691" "4758161" "4759768" "4772204" "4793808" "4803976" "4824372" "4826434" "4854872" "4856648" "4856944" "4872839" "4875475" "4880006" "4881897" "4906191" "4906420" "4917703" "4936313" "4960381" "4983184" "4995810" "5000685" "502542" "5006070" "5019083" "5022860" "5026285" "5045054" "5049074" "5052930" "5052931" "5061181" "5061285" "5071350" "5076788" "5078605" "5080685" "5100323" "5106300" "5116225" "5120222" "5122059" "5145371" "5174755" "5181928" "5190543" "5195891" "5195892" "5196016" "5197881" "5199873" "5209659" "5209666" "5213500" "5213502" "5215460" "5238405" "5246370" "5281140" "5286195" "5292252" "5295831" "5302125" "5302126" "5306149" "5312253" "5312403" "5318570" "5322443" "5324297" "5328371" "5334024" "5344457" "5362234" "5362237" "5368443" "5368480" "5368483" "5387102" "5403136" "5417570" "5433607" "5437551" "5442219" "5447434" "5449291" "5456723" "5468150" "5502087" "5520689" "5554028" "5562448" "5562733" "5564921" "5567155" "5569035" "5571188" "5588838" "5605457" "5607304" "5626227" "5628630" "5636989" "5660545" "5667384" "5674072" "5674244" "5678995" "5688123" "5695335" "5725377" "5730598" "5733122" "5733123" "5734113" "5741253" "5749731" "5752830" "5752831" "5755574" "5755807" "5759033" "5759034" "5762541" "5766009" "5779480" "5782637" "5782918" "5785525" "5810589" "5810590" "5820374" "5823776" "5823777" "5827062" "5829977" "5829981" "5836768" "5842865" "5858253" "5865622" "5871504" "5882200" "5888218" "5899940" "5904483" "5906488" "5915968" "5927979" "5931674" "5938446" "5944526" "5947733" "5947734" "5951287" "5951288" "5952399" "5954504" "5954505" "5961329" "5975902" "5979643" "5984680" "5989028" "5989029" "5993211" "5993214" "6007337" "6033718" "6036400")	US-PGPUB; OR USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OFF	2006/05/31 08:47
----	-----	---	---	-----	------------------

## EAST Search History

S4	35	S3 and (anti adj rotation\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:03
S5	33	("5174755"   "5195892"   "5344457"   "5564921"   "5567155"   "5607304"). PN. OR ("5782918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 08:53
S6	47	("3589011"   "4780080"   "4850870"   "4854872"   "4995810"   "5061181"). PN. OR ("5195892").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/31 08:57
S7	14	S3 and tactile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:10
S8	19	S3 and (audi\$3 or sound\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:18
S9	2088	(433/172-176).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:18
S10	217	S9 and snap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:42
S11	67	S9 and ((anti adj rotation\$2) same (two or double))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:50
S12	35	S9 and ((prevent near rotation\$2) same (two or double))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:50

## EAST Search History

S13	32	S12 not S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/31 09:51
S14	33	("5174755"   "5195892"   "5344457"   "5564921"   "5567155"   "5607304"). PN. OR ("5782918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 09:30
S15	47	("3589011"   "4780080"   "4850870"   "4854872"   "4995810"   "5061181"). PN. OR ("5195892").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 09:35
S16	25	("2857670"   "4179810"   "4416629"   "4713003"   "4758161"   "4762492"   "4856994"   "4886456"   "4955811"   "5013242"   "5052931"   "5125840"   "5195892"   "5205746"   "5368483"   "5449291").PN. OR ("5810590").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 10:15
S17	2090	(433/172-176).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 10:15
S18	0	S17 and (additional near rotation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 10:16
S19	4	S17 and (additional near lock\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 10:17
S20	231	S17 and (prevent\$3 near rotation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 11:05
S21	109	S17 and (anti near rotation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 11:08

## EAST Search History

S22	12	(("6644969") or ("6394806") or ("6273720") or ("5049074") or ("5636989") or ("5733123")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 16:02
S23	138	("3304608" "3760502" "4158256" "4290755" "4324549" "4380436" "4416629" "4483675" "4540367" "4571185" "4681542" "4715817" "4763788" "4772688" "4836781" "4854872" "4856994" "5026285" "5030094" "5030096" "5049074" "5108288" "5125829" "5125840" "5125841" "5195891" "5211561" "5213498" "5213500" "5238405" "2462368" "5259759" "5302125" "5302126" "5368483" "5417570" "5431567" "5437551" "5492471" "5527183" "5556280" "5569037" "5630717" "5636989" "5674073" "5685715" "5688123" "5704788" "5733123" "5759036" "5762500" "5782918" "5829981" "5888218" "5897320" "5899695" "5904483" "5938443" "5947736" "6012923" "6030219" "6068478" "6120292" "6206696" "6273720" "6312260").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/02 16:02
S24	16	("4657510"   "5071350"   "5106300"   "5120222"   "5125840"   "5145371"   "5195891"   "5213500"   "5302125"   "5344457"   "5376004"   "5417570"   "5447434"   "5667384").PN. OR ("5888218").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/02 16:03
S25	2439	((433/172-176) or (433/201.1)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 10:51
S26	706	S25 and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 10:52
S27	211	S25 and (tool same driv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:05

## EAST Search History

S28	495	S26 not S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:06
S29	246	S28 and (hexagon\$2 or polygon\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:23
S30	249	S28 not S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:24
S31	83	("0711324"   "0866304"   "2112007"   "2347567"   "2609604"   "2774141"   "3435526"   "3499222"   "3732621"   "3787975"   "3849887"   "3849888"   "4016651"   "4053982"   "4109383"   "4177562"   "4180910"   "4187609"   "4195367"   "4204321"   "4259072"   "4290755"   "4302188"   "4324550"   "4334865"   "4359318"   "4416629"   "4431416"   "4468200"   "4488875"   "4552532"   "4573922"   "4645453"   "4668191").PN. OR ("5078607").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/03 11:50
S32	1733	S25 not S26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:50
S33	104	S32 and ((rotat\$3 or rotational) near (anit or prevent\$1 or stop\$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:56
S34	1629	S32 not S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 11:57

## EAST Search History

S35	79	S34 and wrench	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 12:03
S36	1550	S34 not S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 12:03
S37	23	S36 and (internal near (cavity or hole))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 12:04
S38	1527	S36 not S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 12:23
S39	2	("6464500").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/03 12:23